



INSTRUCTIONS



High Idle IAC Corruption

Symptoms: Engine revs to a high idle of 1500-2500 rpm or higher.

Cause: The IAC (Idle air control map) calibration is incorrect. It is not ANY indication of any fault in the system. It is simply an improperly calibrated IAC due to outside factors such as voltage spikes or unstable Air Fuel Ratios at idle.

Fix: To correct this condition and quickly establish a stable idle, an Idle AFR tune and an Idle IAC tune should be performed. The offsets can be cleared, start engine and go ride but for BEST results the following procedures are highly recommended.

The following LINK provides additional explanation with examples of improper IAC calibration.

[High Idle or Failure to Return to Idle](#)

Perform a clearing of ALL learned information from the module

1. Turn Ignition on and LINK to the motorcycle.
2. Select Main Menu-->Map Editing-->Clear "Learned Fuel Adjustments (CLP Offset)"
3. Select Main Menu-->Map Editing-->Clear "Learned Idle Control Adjustments (IAC)"
4. Turn Ignition OFF for 20 seconds.
5. Turn Ignition ON for 10 seconds.
6. Turn Ignition OFF for 20 seconds.
7. Repeat steps #5 and #6 at least 4 times.

Perform an idle AFR tune.

1. Start motorcycle and let idle until head temperature reaches approximately 250 degrees.
2. Turn motorcycle off for 2 minutes.
3. Start motorcycle and let idle for 2 minutes.
4. Repeat steps #2 and #3 three (3) times

NOTE: Link to the motorcycle to monitor the engine temperature during this process.

If engine temperature approaches 270 degrees increase the engine OFF time to allow cooling.

The engine needs to be above 200 degrees and below 280 degrees to allow auto tune to be recorded.

Perform an idle air control calibration

1. Let engine cool to ambient (room) temperature.
2. Turn ignition on and LINK.
3. Select IAC-Auto button from MAIN MENU.
4. Start Engine (Note: if LINK is lost immediately select LINK and IAC-Auto)
5. An IAC auto tune will be automatically performed (a dialog showing the processing will display).
6. At approximately 250 degrees head temp, terminate the IAC-Auto function.

NOTE: The IAC-AUTO function will terminate on its own if the engine temperature exceeds approximately 285 degrees

Your motorcycle IAC tuning should now be complete and idle should be normal.



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